

210
0508

#7



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/732,560

DATE: 05/06/2002

TIME: 09:28:12

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\05062002\I732560.raw

3 <110> APPLICANT: Robert Schlegel
4 James D. Deeds
5 Allison Berger
6 Xumei Zhao
8 <120> TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION,
9 ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL CANCER
11 <130> FILE REFERENCE: MRI-008A
13 <140> CURRENT APPLICATION NUMBER: 09/732,560
14 <141> CURRENT FILING DATE: 2000-12-08
16 <150> PRIOR APPLICATION NUMBER: 60/169,811
17 <151> PRIOR FILING DATE: 1999-12-08
19 <150> PRIOR APPLICATION NUMBER: 60/171,330
20 <151> PRIOR FILING DATE: 1999-12-21
22 <150> PRIOR APPLICATION NUMBER: 60/189,113
23 <151> PRIOR FILING DATE: 2000-03-14
25 <150> PRIOR APPLICATION NUMBER: 60/193,943
26 <151> PRIOR FILING DATE: 2000-03-31
28 <150> PRIOR APPLICATION NUMBER: 60/203,772
29 <151> PRIOR FILING DATE: 2000-05-12
31 <150> PRIOR APPLICATION NUMBER: 60/210,820
32 <151> PRIOR FILING DATE: 2000-06-09
34 <150> PRIOR APPLICATION NUMBER: 60/220,113
35 <151> PRIOR FILING DATE: 2000-07-21
37 <160> NUMBER OF SEQ ID NOS: 125
39 <170> SOFTWARE: PatentIn Ver. 2.0
41 <210> SEQ ID NO: 1
42 <211> LENGTH: 457
43 <212> TYPE: DNA
44 <213> ORGANISM: Homo sapiens
46 <400> SEQUENCE: 1
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48 caagaagatt catctcacag tgggttatTT tggtaaagaa ggactgtcta aagtcaagtc 120
49 tatcctagaa tctgtcacca gtgagtctaa ttttcacaat tacacottgg tctcattgaa 180
50 tgaagaattt aatcggtggac gaggactaaa tgtgggtgcc cgagcttggg acaagggaga 240
51 ggtcttgatg tttttctgtg atgttgatat ctattttctca gccgaattcc ttaacagctg 300
52 ccggttaaat gctgagccag gtaagaaggt gttttaccct gtggtgttca gtcctttacaa 360
53 tcttgccatt gtttatgcc accaggaagt gccaccacct gtggagcagc agctggttca 420
54 caaaaaggat tctggctttt ggcgagattt tggcttt 457
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 185
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
61 <220> FEATURE:

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62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: 18,99,142
64 <223> OTHER INFORMATION: n = a,c,g, or t
66 <400> SEQUENCE: 2
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W--> 68 gtgctaaaat gggaaggagg cggagttttg ctgatctgnt aaattcttag tgaagtttcc 120
W--> 69 tcgatttcca gtggctgctg tngtttgagt ttggtttgga gcaaaactga ggtagtccta 180
70 acatt 185
72 <210> SEQ ID NO: 3
73 <211> LENGTH: 43
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapiens
77 <400> SEQUENCE: 3
78 cccttagcgt ggtcgcggcc gaggtacttt tttttttttt ttt 43
80 <210> SEQ ID NO: 4
81 <211> LENGTH: 322
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo sapiens
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <222> LOCATION: 101,261,312
88 <223> OTHER INFORMATION: n = a,c,g, or t
90 <400> SEQUENCE: 4
91 cccttagcgt ggtcgcggcc gaggtacttt tttttttttt tttttttttt tactgctaaa 60
W--> 92 ctatattaac tcataataaa aagtaactag tcaaaattta naacattctg atcaaaatgg 120
93 gtctgcacat gcctttcaaa cacctgctgg tcatagtcag gagggaaactg ctgcgtacac 180
94 atcgggcaca cttccagtg actttcaaca tgttcttcaa atttgctctg atcatagtta 240
W--> 95 ggaggaaaca ttaactcaca naggggacac ttcttgtgaa catcaaagct ggaatcaaag 300
W--> 96 caaaagcctg tnccatgccc ac 322
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 327
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 5
104 cccttagcgt ggtcgcggcc gaggtactat gctattttac ttttttgata taaaatcaag 60
105 atattttctt gctgaagtat ttaaattctta tccttgatc tttttataca tatttgaaaa 120
106 taagcttata tgtatttgaa cttttttgaa atcctattca agtatattta tcatgctatt 180
107 gtgatatttt agcacttttg tagcttttac actgaatttc taagaaaatt gtaaaatagt 240
108 cttcttttat actgtaaaaa aagatatacc aaaaagtcct ataataggaa tttaacttta 300
109 aaaaccact tattgatacc ttacat 327
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 288
113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapiens
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: 65,152,189,196,198,200,230,235,253,258,268
119 <223> OTHER INFORMATION: n = a,c,g, or t
121 <400> SEQUENCE: 6

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Input Set : A:\seqlist.txt

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122 cccttagcgt ggtcgcgcc gaggtacttt cctagatgac atatcgagtc aacatgaagc 60
W--> 123 cttanctgaa atgaatgatt caggatatta atgagaaatt ctcacaaatg atatgcattt 120
W--> 124 aggaaatgat tttgctttcc ttaaatagtt cnaaggcttg aaaataaact ttctttttgc 180
W--> 125 atttcttttna gaatgntngn tcattaacaa cttttaacct tatcttcttn ttctncttag 240
W--> 126 cccttaacag acngagtnca ttctatgntg gaaataacaa gaacttga 288
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 123
130 <212> TYPE: DNA
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 7
134 cccttagcgt ggtcgcgcc gaggtacgcg ggaaagcaga gctagtaatg ctttttgagt 60
135 ttcatgttgg tttattttca cagattgggg taacgtgcac tgtaagacgt atgtaacatg 120
136 atg 123
138 <210> SEQ ID NO: 8
139 <211> LENGTH: 272
140 <212> TYPE: DNA
141 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 8
144 ccctttcgag cggccgccc ggcaggtgct caaaatataa gcagcttgaa actggcttta 60
145 ccaatcttga aatttgacca caagtgtctt atatatgcag atctaatagt aaatccagaa 120
146 cttggactcc atcgttaaaa ttatttatgt gtaacattca aatgtgtgca ttaaataatgc 180
147 ttccacagta aaatctgaaa aactgatttg tgattgaaag ctgcctttct atttacttga 240
148 gtcttgtacc tcggccgcga ccacgctaag gg 272
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 367
152 <212> TYPE: DNA
153 <213> ORGANISM: Homo sapiens
155 <220> FEATURE:
156 <221> NAME/KEY: misc_feature
157 <222> LOCATION: 31
158 <223> OTHER INFORMATION: n = a,c,g, or t
160 <400> SEQUENCE: 9
W--> 161 gatattctgca gaattcgccc ttctgagcgg ncgcccgggc aggtacgcgg gaaataatgc 60
162 ttgaatacaa gtgactaagc caacaacaga ataaatactt ttatagtagt ttataaatcc 120
163 tgaaattcga aagctttccc aattgcactt gcatctaaac aaaactgttg cagtttttac 180
164 tctattttatt ttgttcccca tgtttatgaa agtcctgcac agtttcaaag gcatggtaaa 240
165 taatatatca atgtttatgt agtctgttac agaaacagct atagataaca ttatccagtg 300
166 aagagcaaaa tccaagcttt agaaaaatat tcatgcatgc aattttgaca tatcttaaaa 360
167 aataggt 367
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 245
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 10
175 ccctttcgag cggccgccc ggcaggtacg cggggatgaa gcaattgctg aattggatac 60
176 gctgaatgaa gagtcttata aagacagcac tctgatcatg cagttactta gggacaatct 120
177 cactctgttg acatcggaac accagggaga cgaaggagac gctggggagg gagagaacta 180
178 atgtttctcg tgctttgtga tctgttcagt gtcactctgt acctcgcccg cgaccacgct 240
179 aaggg 245

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Input Set : A:\seqlist.txt

Output Set: N:\CRF3\05062002\I732560.raw

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181 <210> SEQ ID NO: 11
182 <211> LENGTH: 302
183 <212> TYPE: DNA
184 <213> ORGANISM: Homo sapiens
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: 300
189 <223> OTHER INFORMATION: n = a,c,g, or t
191 <400> SEQUENCE: 11
192 ccccttcgag cgcccgccc gggcaggtac tttttttttt tttttttttt ttttttttgg 60
193 gattcttggt aaaattttat ccaaaaaaca ggatacatat atatttagag aaggaaatat 120
194 gaaatcaaga gttttggcag cccctgcttt tttttttttt ttagctccct aaagactgta 180
195 gcaggataaa aggatcactg gctccgagtc tctttgagat aacaagtgat gaaataaaaa 240
W--> 196 agaaagccca taccctcaaa taaggtcagg taacccatt gccaccctc cctacaagg 300
197 aa 302
199 <210> SEQ ID NO: 12
200 <211> LENGTH: 97
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: 23,92
207 <223> OTHER INFORMATION: n = a,c,g, or t
209 <400> SEQUENCE: 12
W--> 210 cccttagcgt ggtcgcgcc gangtacagt gggagagtga ggtgggagaa gaagagtgtc 60
W--> 211 tggtaggtgt gtcactgtc ttcttggtg anaatgt 97
213 <210> SEQ ID NO: 13
214 <211> LENGTH: 233
215 <212> TYPE: DNA
216 <213> ORGANISM: Homo sapiens
218 <220> FEATURE:
219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: 54,86,108,114,121,150,173,183,185,196,199,207,209,215,218,232
221 <223> OTHER INFORMATION: n = a,c,g, or t
223 <400> SEQUENCE: 13
W--> 224 ccctttcgag cgcccgccc ggcaggtact tttttttttt tttttttttt tttntttttt 60
W--> 225 tttttttttt ttttaaaaa ctcggntttt atacaataaa atgtttnta gcanatgcct 120
W--> 226 nttgttttaa tatattaaaa ttttgcaaan ccctttgagc tactgcctta gtntaccac 180
W--> 227 tgncttttg ttatgnggna gaggatntna tgacnccnta cacacaaacc cnt 233
229 <210> SEQ ID NO: 14
230 <211> LENGTH: 498
231 <212> TYPE: DNA
232 <213> ORGANISM: Homo sapiens
234 <400> SEQUENCE: 14
235 cccttagcgt ggtcgcgcc gaggtacatg ggcaatgctg gacgtaaaga aagaagtgat 60
236 gcaactcaatt ctgcaataga taaaatgacc aagaagacca gggacttgcg tagacagctc 120
237 cgcaaagctg tcatggacca cgtttcagat tctttcctgg aaaccaatgt tccacttttg 180
238 gtattgattg aagctgcaaa gaatggaaat gagaaagaag ttaaggagta tgcccaagtt 240
239 ttccgtgaac atgccaacaa attgattgag gttgccaact tggcctgttc catctcaaat 300

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```

240 aatgaagaag gtgtaaagct tggtcgaatg tctgcaagcc agttagaagc cctctgtcct 360
241 cagggttatta atgctgcact ggcttttagca gcaaaaccac agagtaaact ggcccaagag 420
242 aacatggatc tttttaaaga caatgggaaa aacaagtccg tggtctcaca gatgctgtcg 480
243 atgacattac ttccattg                                         498
245 <210> SEQ ID NO: 15
246 <211> LENGTH: 273
247 <212> TYPE: DNA
248 <213> ORGANISM: Homo sapiens
250 <220> FEATURE:
251 <221> NAME/KEY: misc_feature
252 <222> LOCATION: 85,177,243,246
253 <223> OTHER INFORMATION: n = a,c,g, or t
255 <400> SEQUENCE: 15
256 cccttagcgt ggtcgcggcc gaggtaccaa gattaacaaa agcagtggca ttgtggaggc 60
W--> 257 atcacggatc atgaatttat accantttat tcaactttat aaagatatca caagtcaagc 120
W--> 258 agcaggagta ttggcacaga gtcacacctc tgaagaacct gatgaaaact catcctntgt 180
259 aacatcttgt caggctatgt ctttgatgg gaagggtgaa gcagctgacc gatgaggagg 240
W--> 260 agngtngtat ctgtatggat ggcgggctg acc                                         273
262 <210> SEQ ID NO: 16
263 <211> LENGTH: 45
264 <212> TYPE: DNA
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 16
268 cccttagcgt ggtcgcggcc gaggtacttt tttttttttt ttttt                                         45
270 <210> SEQ ID NO: 17
271 <211> LENGTH: 408
272 <212> TYPE: DNA
273 <213> ORGANISM: Homo sapiens
275 <220> FEATURE:
276 <221> NAME/KEY: misc_feature
277 <222> LOCATION: 198,336,355
278 <223> OTHER INFORMATION: n = a,c,g, or t
280 <400> SEQUENCE: 17
281 cccttagcgt ggtcgcggcc gaggtaccaa ggtgtgctga agtgggaagca aagttctcca 60
282 aagtccagca tggtagacat cagtgggtgt aaccaaggac agaccccaag gcaagggtgaa 120
283 cctcaaaaat ggaacctcaa gtctatgcag tccagctgcc ctccccacca gaaagtcctt 180
W--> 284 gttccagccc aacatcantg cctctgagtt tgtttactag aaacaaagga agaatttcct 240
285 tgtaaaaata tagacagagt agtccctggc tttctctctt tgcaggaagg atggattctc 300
W--> 286 ccattccata ccattcttgc cccacactgg cccangaaa tacttaattc aactntgtga 360
287 aaataaagat tgtttttggg ttgagggggc aaaaaaaaaa aaaaaaaaaa                                         408
289 <210> SEQ ID NO: 18
290 <211> LENGTH: 244
291 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapiens
294 <220> FEATURE:
295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: 69,105
297 <223> OTHER INFORMATION: n = a,c,g, or t
299 <400> SEQUENCE: 18

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RAW SEQUENCE LISTING ERROR SUMMARY
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Input Set : A:\seqlist.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 18,99,142
Seq#:4; N Pos. 101,261,312
Seq#:6; N Pos. 65,152,189,196,198,200,230,235,253,258,268
Seq#:9; N Pos. 31
Seq#:11; N Pos. 300
Seq#:12; N Pos. 23,92
Seq#:13; N Pos. 54,86,108,114,121,150,173,183,185,196,199,207,209,215,218
Seq#:13; N Pos. 232
Seq#:15; N Pos. 85,177,243,246
Seq#:17; N Pos. 198,336,355
Seq#:18; N Pos. 69,105
Seq#:19; N Pos. 30
Seq#:20; N Pos. 39,212,313
Seq#:21; N Pos. 470,471
Seq#:22; N Pos. 1,18,50
Seq#:25; N Pos. 99,105,134,141,143,173,183,185,188,194,199,210,223,231,237
Seq#:25; N Pos. 240,247,260,264,274,278,283,287,297,315,322,324
Seq#:26; N Pos. 116,130,140,146,162,164,165,179
Seq#:28; N Pos. 10,13,23,26,78,98,106,117,131,143,158,163,168,179,183
Seq#:31; N Pos. 201
Seq#:33; N Pos. 67,71,83,115,193,196,252
Seq#:34; N Pos. 173
Seq#:37; N Pos. 119
Seq#:39; N Pos. 6,20,22
Seq#:40; N Pos. 79,105,148,199,212,215
Seq#:41; N Pos. 1,21,24
Seq#:43; N Pos. 17,35,61
Seq#:45; N Pos. 50
Seq#:46; N Pos. 254,275,279
Seq#:47; N Pos. 147,220,227,281
Seq#:48; N Pos. 107,108,120,173
Seq#:49; N Pos. 15,54,87,102,104,105,109,110,130
Seq#:50; N Pos. 30,34,118,178,232
Seq#:52; N Pos. 56,69,103,151,164,175,190,208,250,289,292
Seq#:54; N Pos. 16,22,27,28,50,66,76,78,85,88,91,97,99,102,106,107,117,125
Seq#:54; N Pos. 156,161,163,176,198,221
Seq#:56; N Pos. 92,111,142,347,396,405,406,407,411,414,415,416,417,418,420
Seq#:58; N Pos. 215,263,290,297
Seq#:59; N Pos. 1,15,33
Seq#:60; N Pos. 38,39,40,41
Seq#:61; N Pos. 50
Seq#:62; N Pos. 25
Seq#:64; N Pos. 308,337,355,357,362
Seq#:66; N Pos. 302,304

RAW SEQUENCE LISTING ERROR SUMMARY
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Seq#:68; N Pos. 104
Seq#:69; N Pos. 9
Seq#:70; N Pos. 192,252,276
Seq#:74; N Pos. 227,230,238
Seq#:79; N Pos. 63,74,104,118,125,129,135,147,149,154,165,180,186,187,194
Seq#:79; N Pos. 208
Seq#:80; N Pos. 54,63
Seq#:84; N Pos. 33,47
Seq#:85; N Pos. 16,18,26,49,61
Seq#:86; N Pos. 59,127,141,146,147
Seq#:87; N Pos. 541
Seq#:88; N Pos. 500,510
Seq#:89; N Pos. 143,145,146,153,156,161,165,166,167,174,175,176,198,241,246
Seq#:89; N Pos. 250
Seq#:91; N Pos. 138
Seq#:92; N Pos. 19,27,73,298,330,341
Seq#:94; N Pos. 245
Seq#:96; N Pos. 14,20,52,60,61,110,197,209,211,212
Seq#:97; N Pos. 16,204,237
Seq#:98; N Pos. 50,83,92
Seq#:99; N Pos. 470,563,591,610
Seq#:108; N Pos. 30,46,188,191,193,204,205,207,247,248
Seq#:111; N Pos. 10,18,19,22,25
Seq#:113; N Pos. 55
Seq#:114; N Pos. 588,619,621
Seq#:115; N Pos. 125,250
Seq#:116; N Pos. 58
Seq#:118; N Pos. 169,198
Seq#:119; N Pos. 533
Seq#:120; N Pos. 557
Seq#:122; N Pos. 33,64,65,80,91,93,100,109,115,120
Seq#:124; N Pos. 80

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:25; Line(s) 400
Seq#:54; Line(s) 830

VERIFICATION SUMMARY

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Input Set : A:\seqlist.txt

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L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:120
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:240
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:300
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:60
L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:120
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:180
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:240
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:240
L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:60
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:60
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:120
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:180
L:257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:60
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:120
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:240
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:180
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:300
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:60
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:180
L:336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:300
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:420
L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:60
L:406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:120
L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:180
L:408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:240
L:409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:300
L:423 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:60
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:60
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:120
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:180
L:493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:180
L:520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60
L:522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:180
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:240
L:538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:120
L:579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:60
L:607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0

VERIFICATION SUMMARY

DATE: 05/06/2002

PATENT APPLICATION: US/09/732,560

TIME: 09:28:13

Input Set : A:\seqlist.txt

Output Set: N:\CRF3\05062002\I732560.raw

L:626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:60

L:627 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:120